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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Surge protection
SPD II 3 R PV 1200VDC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Surge protection for use on the DC side of photovoltaic installations.

The SPD II PV series is tested according to UL 1449 ed. 3 (file E354261) as type 4 for use in type 2 applications.

This series is assembled according to the respective PV voltage (600 V, 1000 V, 1200 V) and has a nominal discharge current of up to 50 kA (8/20 μ s) per path.

The SPD II has a compact and modular structure and a standard module width of 17.8 mm; it allows rapid and simple exchange of the varistor protection. The SPD PV arrester consists of 3 elements.

General ordering data

Order No.	1348580000
Type	SPD II 3 R PV 1200VDC
Version	Surge protection, Low voltage, with telecomm. contact
GTIN (EAN)	4050118153545
Qty.	1 pc(s).

**Surge protection
SPD II 3 R PV 1200VDC**

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Technical data**Dimensions and weights**

Width	54 mm	Height	100 mm
Depth	73.5 mm	Net weight	402 g

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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General data

Colour	Light Grey	Design	Installation housing; 3TE
Height with TS 35	74 mm	Lightning arrester	No
Mounting rail	TS 35, TS 35 x 15, TS 35 x 7.5	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP 20	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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technical data

Max. continuous voltage, U_c (DC)	1200 V	Total discharge current I_{total}	50 kA
Discharge current, max. (8/20 μ s)	50 kA	Protection level U_p (typ.)	≤ 4000 V
Signalling contact	250 V / 0,5 A, 48 VDC / 0,1 A	Colour	Light Grey
AC/DC/UC	DC	Response time	≤ 100 ns

Connection data

Clamping range, rated connection	25 mm ²	Clamping range, rated connection, min.	4 mm ²
Clamping range, rated connection, max.	35 mm ²	Wire connection cross section, stranded, rated connection, min.	2.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Tightening torque, min.	2.5 Nm
Tightening torque, max.	3 Nm	Stripping length, rated connection	15 mm

Connection data, remote alert

Connection type [remote alert]	pluggable	Max. torque [remote alert]	0.22 Nm
Stripping length [remote alert]	5 mm	Cross-section for connected wire, solid core, min. [remote alert]	0.5 mm ²
Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm ²		

Photovoltaic technical data

Maximum continuous operating voltage UCPV mode +/-, -/PE, +/-PE	1,200 V DC	Protection level U_p at I_n (per module)	4000 V
Protection level U_p mode (+/-, -/PE, +/-PE)	4000 V		

Surge protection SPD II 3 R PV 1200VDC

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Technical data

Rated data UL

Category	Typ 2	I _{max}	50 kA
I _n	20 kA	MCOV	1,200 Vdc
SCCR	200 kA	Test Voltage 39.1 (UL 1449)	1,000 V
UL certificate	E-File 354261 Type 2 by UL1449 Ed.3	VPR	4 kV

Classifications

ETIM 3.0	EC000941	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01		

Approvals

Approvals



ROHS Conform

Downloads

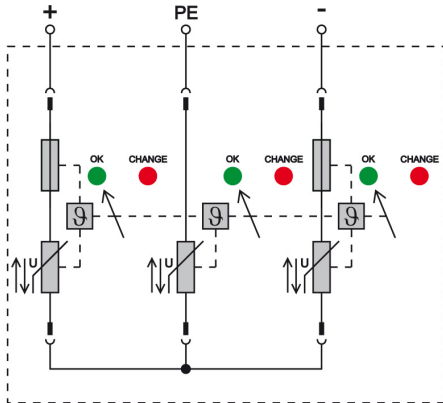
Declaration of Conformity	K481_05_12.pdf
EPLAN	1348580000.ema

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Drawings

Electric symbol



Circuit diagram